Harshad Suryawanshi

suryawanshi.harshad@gmail.com

MBA (Finance & Marketing), IIM Trichy

B.E. – Computer Science

+91 9930334691

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LinkedIn

[Harshad Suryawanshi | LinkedIn](#)

Summary

Results driven professional with a robust background in technical content creation and client communication at MSCI, specializing in financial risk management and regulatory reporting. Expert in Python, SQL, and software development with a passion for Generative AI, including projects in LLMs, Langchain, Llamaindex, and Stable Diffusion. Actively involved in open-source AI initiatives and community-driven educational programs. Aspiring to contribute my expertise in Generative AI to innovative roles.

AI Projects

- **Open-Source AI Contributions: Developed and shared numerous Generative AI projects on platforms like LinkedIn and GitHub. Recognized by Llamaindex for project contributions.**
  a. Na2SQL: Allows users to interact with huge and complex databases using simple conversational natural language queries. The best part? ZERO knowledge of SQL is required.
     - [Live demo](#)
  b. AInimal Go!: A Pokémon Go-Inspired App built without GPT-4V. Powered by LlamaIndex, ResNet18, Cohere LLM and Wikipedia.
     - [Live demo](#)
  c. My Own ChatGPT VisIon App: Developed an interactive web application using Llamaindex, Streamlit, integrating PaLM API and KOSMOS-2 for image-based dialogue capabilities.
     - [Live demo](#)
  d. AI-Generated Equity Research Report: Created a prototype using Llamaindex, Google PaLM and Streamlit to generate equity research reports, showcasing the potential for AI in financial analysis.
     - [Live demo](#)
  e. Generative AI for Entertainment: Pioneered an AI-driven project to recast TV show scenes, demonstrating the application of generative AI in the entertainment industry.
     - [Live demo](#)
  f. AI-Powered Story Generator: Built a unique app that combines storytelling with AI, enabling users to generate cohesive and engaging stories image and images using LLMs and Stable Diffusion.
     - [Live demo](#)
- **Community Driven Computer Vision Course: Actively participating in creating a course for Hugging Face, focusing on practical and community-driven learning experiences.**

Work Experience

MSCI, Analytics Product – Technical Content and Client Communication Specialist, Senior Associate (Oct'21 – Present)

- Spearheading the simplification of complex concepts and products, ensuring clear understanding for clients.
- Authoring user guides, API guides, python notebooks, release notes, online product help, marketing materials and generative AI-based API apps.
- Developing best practices guides for efficient use of factor model data via Snowflake.
- Owning the product releases communications and managing content on the client support site.
- Conducted training sessions for new joiners and internal users on product features and usage.
- Partnering with Product Managers, Research, and Technology teams to develop product launch and documentation plans for the MSCI Analytics product line.
- Streamlining product launch processes, identifying challenges, and implementing innovative solutions.

MSCI, Global RFP Team, Analyst (Oct'16 - Dec'17),
Associate (Jan'18 – Dec '19)
Senior Associate (Jan'18 – Oct'21)

- In-depth understanding of MSCI's financial risk management, regulatory reporting and performance attribution products including *RiskMetrics* RiskManager and *Barra*One.
- Deep knowledge about various regulations including Basel, UCITS, AIFMD, PRIIPS, Solvency II and SEC 22-E4.

Information
Classification:

- Proficient in Value at Risk (VaR), Stress Testing, What If Analysis, Performance Attribution, Credit Risk, Counterparty Risk and Regulatory Reporting.
- Thorough understanding of various risk measures (VaR, Expected Shortfall, Duration, Convexity, Beta etc.), risk models (Barra Factor Models, RiskMetrics), performance attribution models (Brinson Fachler, FI400, Factor Based Attribution) and Volatility Models (GARCH, EWMA)
- Responding to RFPs for Risk and Performance Management RFPs received from institutions such as global Asset Owners, Asset Managers and Banks.
- Performing product gap analysis and communicating the market insights to Product Management Team based on client/prospect's feedback.
- Mentoring and training new joiners to the team.

Crisil, Management Trainee (Credit Analyst) (Oct'15 - Oct'16)

- Conducted credit risk analysis of Oil and Gas companies in North America.
- Analysed various quantitative & qualitative factors (like debt ratios, coverage ratios, covenants, competitive advantage, operating efficiency etc.) to prepare internal credit research reports.
- Created models to derive future 5 year projections of company's financials.
- Participated in rating committees and assisted S&P's onshore analysts in creating publishable rating reports.

Zycus Infotech, Software Engineer (Dec'11- Jun'13)

- Worked on the development of an e-procurement solution as a part of the core software development team.
- Assisted Product Manager in client calls to discuss technical aspects and to gather detailed requirements.
- Co-ordinated with the backend, QA and product teams to ensure timely development and deployment.

Inscripts India Pvt. Ltd., Team Lead - CometChat (ASE) (Jul'10 -Dec'11)

- Managed the conceptualization, development and implementation of a PHP based social media product and mobile app using AGILE methodology.
- Led a team of 10 software developers and QA Engineers. The team's responsibilities included providing client support, issue resolution, quality assurance and custom product development services to clients across the world.

Internships

FCB Ulka, Mumbai   Apr '14 – May '14

- Interned in a **Client Servicing** and **Strategic Planning** role at **FCB Ulka, Mumbai.**
- Worked for the **Tata Motors account** and conducted primary research in the form of 'Mystery Shopping' across 107 showrooms of 14 car brands at Mumbai, Thane and Navi Mumbai.
- Was involved in planning and execution of promotional activities for the launch of Tata Zest and Tata Bolt.

State Bank of India, Management Trainee (On Contract)   Jun'15- Oct'15

- Managed a portfolio of 50 clients having turnover of more than ₹500 crores for their transaction banking needs.
- Analysed client's requirements and provided customized solutions for their transaction banking needs.
- Performed cost benefit analysis and income projections to determine pricing to be offered to clients.

Academic Qualifications

Degree	Year	Institute, University/ Board	% /CGPA
PGDM (Finance)	2015	IIM Tiruchirappalli	3.36/4.33
B.E. (Computer Science)	2010	Ramrao Adik Institue of Technology, Mumbai Board	64.06%
H.S.C	2006	V.G. Vaze College, MSBSHSE	70.33%
S.S.C.	2004	St.John The Baptist High School, MSBSHSE	84.13%

Achievements

- Among the top ten rankers in **Finance** and Marketing at IIM Tiruchirappalli.
- Was adjudged the "Employee of the Month" in the month of March 2011 while working at Inscripts.

Skills

- **Generative AI:** Hands-on experience with LLMs, Langchain, Llamaindex, Vector Indexes, Stable Diffusion, TTS, Streamlit, Google Colab. Developed multiple personal projects in the field.
- Python, Snowflake
- PHP, jQuery, SQL

Leadership and other initiatives

- Involved in recruitment and interview process at MSCI.
- **Head** of the **IT Committee** at IIM Tiruchirappalli and **member of Students' Council** at IIM Tiruchirappalli.
- Actively mentoring MBA aspirants as a part of IIM Tiruchirappalli's mentorship program.
- Successfully **led and mentored a team of 10** Software Developers and QA Engineers while at Inscripts.

Extracurricular Activities

- **Winner** of World Environment Debate at MSCI Mumbai.
- **1st position** at marketing event 'Circus Maximus' conducted by **XLRI Jamshedpur** & sponsored by **Airtel.**
- **2nd position** at stock evaluation event 'Stock 20-20' conducted by **IIM Bangalore.**
- **Campus winner** in **Yes Bank's Stepathlon** event.